

Title (en)
SHOWER HEAD

Title (de)
BRAUSEKOPF

Title (fr)
POMME DE DOUCHE

Publication
EP 0776251 B1 20001206 (EN)

Application
EP 94927876 A 19940915

Priority
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Abstract (en)
[origin: US5685489A] PCT No. PCT/NO94/00154 Sec. 371 Date May 2, 1996 Sec. 102(e) Date May 2, 1996 PCT Filed Sep. 15, 1994 PCT Pub. No. WO95/07760 PCT Pub. Date Mar. 23, 1995A shower head includes a mouthpiece having a central, axial, throughgoing channel for flow-through of water. A rotationally symmetrical deflector element for the water is situated in the vicinity of the outer mouth of the channel. The mouthpiece is in threaded connection with a support through which the water is supplied and is adapted to be adjusted axially relatively to the support. The deflector element is carried by a stem which extends axially in the channel with a radial clearance and is fastened to the support. On the side facing the channel, the deflector element is concave, in that a circumferential groove having a curved cross section extends around the stem. The region of the mouthpiece around the deflector element provides a conical surface which extends converging outwardly. The shower head reduced water consumption at low water pressure and also permits pulsating showering.

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IPC 8 full level
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US 5685489 A 19971111; AU 7711594 A 19950403; BR 9407479 A 19961112; CA 2171752 A1 19950323; CA 2171752 C 19990119; CN 1059360 C 20001213; CN 1131397 A 19960918; DE 69426396 D1 20010111; DE 69426396 T2 20010621; DK 0776251 T3 20010108; EP 0776251 A1 19970604; EP 0776251 B1 20001206; ES 2153430 T3 20010301; FI 109663 B 20020930; FI 961227 A0 19960315; FI 961227 A 19960315; JP 3148244 B2 20010319; JP H09502650 A 19970318; KR 100246810 B1 20000315; KR 960704635 A 19961009; NO 177256 B 19950508; NO 177256 C 19950816; NO 931870 D0 19930524; NO 931870 L 19941125; PL 175597 B1 19990129; PL 313443 A1 19960708; PT 776251 E 20010531; RU 2136391 C1 19990910; WO 9507760 A1 19950323

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US 61523096 A 19960502; AU 7711594 A 19940915; BR 9407479 A 19940915; CA 2171752 A 19940915; CN 94193424 A 19940915; DE 69426396 T 19940915; DK 94927876 T 19940915; EP 94927876 A 19940915; ES 94927876 T 19940915; FI 961227 A 19960315; JP 50910395 A 19940915; KR 19960701349 A 19960315; NO 931870 A 19930916; NO 9400154 W 19940915; PL 31344394 A 19940915; PT 94927876 T 19940915; RU 96107477 A 19940915